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1. A compound having the structural formula I, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate thereof,

$$X_7$$
 X_6
 X_5
 X_4
 X_6
 X_4
 X_5
 X_4
 X_5
 X_4
 X_5
 X_4
 X_5
 X_4
 X_5
 X_4
 X_5
 X_5
 X_4
 X_5
 X_5
 X_4

formula I

wherein X₁, X₂, R₁ and R₂ are independently selected from the group comprising oxo, hydrogen, hydroxyl, oxyalkyl, alkyl, alkenyl, alkynyl, alkyloxy, alkyloxyalkyl, alkylthioalkyl, cycloalkylalkyl, cycloalkylcarbonyl, alkylthiocarbonyl, alkanoyl, alkoxycarbonyl, cycloalkylthiocarbonyl, cycloalkylalkoxycarbonyl, cycloalkylalkanoyl, alkylcarbonyloxyalkyl, cycloalkylthioalkyl, cycloalkylalkoxythiocarbonyl, cycloalkylcarbonyloxyalkyl, silyloxyalkyl, aralkyl, arylalkenyl, arylcarbonyl, aryloxycarbonyl, aralkoxycarbonyl, arylalkylthiocarbonyl, aryloxyalky, arylthioalkyl, arylthiocarbonyl, haloalkyl, hydroxyalkyl, aralkanoyl, aroyl, aryloxycarbonylalkyl, aryloxyalkanoyl, carboxyl, alkenylcarbonyl, alkynylcarbonyl, Het1, Het1alkyl, Het1oxyalkyl, Het1aryl, Het1aralkyl, Het¹alkylthiocarbonyl, Het¹oxycarbonyl, Het¹cycloalkyl, Het¹alkoxycarbonyl, Het¹alkanoyl, Het¹aralkanoyl, Het¹aryloxyalkyl, Het¹alkyloxyalkyl, Het1thiocarbonyl, Het¹aralkoxycarbonyl, Het¹aroyl, Het¹aryloxycarbonyl, Het¹arylthioalkyl, Het¹alkyloxyalkylcarbonyl, Het¹aryloxyalkylcarbonyl, Het¹oxyalkylcarbonyl, Het¹carbonyloxyalkyl, Het¹alkylcarbonyloxyalkyl, Het¹aralkylcarbonyloxyalkyl, Het²alkyl, Het²oxycarbonyl, Het²aralkyl. Het²carbonyl. Het²alkyloxyalkyl, Het²oxyalkyl, Het²thiocarbonyl, Het²alkanoyl, Het²alkylthiocarbonyl, Het²alkoxycarbonyl, Het²aralkanoyl, Het²aralkoxycarbonyl, Het²aryloxycarbonyl, Het²aroyl, Het²aryloxyalkyl, Het²arylthioalkyl, Het²oxyalkylcarbonyl, Het²alkyloxyalkylcarbonyl, Het²aryloxyalkylcarbonyl, Het²carbonyloxyalkyl, Het²alkylcarbonyloxyalkyl, Het²aralkylcarbonyloxyalkyl, cyano, CR3=NR4, CR3=N(OR4), aminocarbonyl, aminoalkanoyl, aminoalkyl, optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het1, Het2, cycloalkyl, alkyloxy, alkyloxycarbonyl, carboxyl, aminocarbonyl, mono- or di(alkyl)aminocarbonyl, aminosulfonyl, alkylS(=O)₁, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently

PCT/EP2004/014408

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WO 2005/058934

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selected from the group comprising alkyl, aryl, aralkyl, aryloxy, arylamino, arylthio, aryloxyalkyl, arylaminoalkyl, aralkoxy, alkylthio, alkoxy, aryloxyalkoxy, aylaminoalkoxy, aralkylamino, aryloxyalkylamino, arylaminoalkylamino, arylthioalkoxy, arylthioalkylamino, aralkylthio, aryloxyalkylthio, arylaminoalkylthio, arylthioalkylthio, alkylamino, cycloalkyl, cycloalkylalkyl, Het1, Het2, Het1alkyl, Het2alkyl, Het1amino, Het2amino, Het1alkylamino, Het²alkylamino, Het¹thio, Het²thio, Het¹alkylthio, Het²alkylthio, Het¹oxy and Het²oxy, OR³, SR^3 , $SO_2NR^3R^4$, $SO_2N(OH)R^3$, CN, $CR^3=NR^4$, $S(O)R^3$, SO_2R^3 , $CR^3=N(OR^4)$, N_3 , NO_2 , NR^3R^4 , $N(OH)R^3$, $C(O)R^3$, $C(S)R^3$, CO_2R^3 , $C(O)SR^3$, $C(O)NR^3R^4$, $C(S)NR^3R^4$, $C(O)N(OH)R^4, \quad C(S)N(OH)R^3, \quad NR^3C(O)R^4, \quad NR^3C(S)R^4, \quad N(OH)C(O)R^4, \quad N(OH)C(S)R^3, \quad N(OH)C(O)R^4, \quad N(OH)C(O)R^4,$ NR³C(S)NR⁴R⁵, $NR^3CO_2R^4$, $NR^3C(O)NR^4R^5$. N(OH)CO₂R³, NR³C(O)SR⁴, and $N(OH)C(O)NR^{3}R^{4},\ N(OH)C(S)NR^{3}R^{4},\ NR^{3}C(O)N(OH)R^{4},\ NR^{3}C(S)N(OH)R^{4},\ NR^{3}SO_{2}R^{4},$ NHSO₂NR³R⁴, NR³SO₂NHR⁴, P(O)(OR³)(OR⁴), wherein t is an integer between 1 and 2 and R3, R4 and R5 are each independently selected from the group comprising hydrogen, alkylcarbonylamino, aminoaryl, aminoalkyl, alkenyl, alkynyl, hydroxyl, aikyl, arylcarbonylamino alkylthiocarbonylamino and arylthiocarbonylamino;

wherein X₃ participates together with X₃' to an oxo functional group, or wherein X₃ and X'3 are independently selected from the group comprising hydrogen, hydroxyl, sulfur, oxyalkyl, oxycarbonyl, alkyl, Het¹alkyl, alkyloxycarbonyl, alkenyl, alkynyl, aminoalkyl, aminoacyl, alkylcarbonylamino, alkylthiocarbonylamino, Het1, glycosyl, thio derivatives thereof, carboxy derivatives thereof, amino derivatives thereof, amido derivatives thereof, hydroxyl-protected derivatives thereof, optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het1, Het2, aminocarbonyl; monocarboxyl, alkyloxycarbonyl, alkyloxy, cycloalkyl, di(alkyl)aminocarbonyl, aminosulfonyl, alkylS(=O)i, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently selected from the group comprising alkyl, aryl, aralkyl, aryloxy, arylamino, arylthio, aryloxyalkyl, arylaminoalkyl, aralkoxy, alkylthio, alkoxy, aryloxyalkoxy, aylaminoalkoxy, aralkylamino, aryloxyalkylamino, arylaminoalkylamino, arylthioalkoxy, arylthioalkylamino, aralkylthio, cycloalkyl and arylaminoalkylthio, arylthioalkylthio, alkylamino, aryloxyalkylthio, cycloalkylalkyl;

wherein X_4 and X_7 are independently selected from the group comprising hydrogen, oxygen, halogen, oxo, carbonyl, thiocarbonyl, hydroxyl, alkyl, aryl, Het¹, Het¹alkyl, Het¹aryl, alkenyl, alkynyl, hydroxylaryl, hydroxycarbonylaryl, hydroxycarbonylaryl, hydroxycarbonyloxyalkyl, glycosyl, thio derivatives thereof, amino derivatives thereof, carboxy derivatives thereof, amido derivatives thereof, hydroxyl-

72

protected derivatives thereof, optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het1, Het2, carboxyl, aminocarbonyl, monoalkyloxycarbonyl, cycloalkyl, alkyloxy, di(alkyl)aminocarbonyl, aminosulfonyl, alkylS(=O)t, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently selected from the group comprising alkyl, aryl, aralkyl, aryloxy, arylamino, arylthio, aryloxyalkyl, arylaminoalkyl, aralkoxy, alkylthio, alkoxy, aryloxyalkoxy, aylaminoalkoxy, aralkylamino, aryloxyalkylamino, arylaminoalkylamino, arylthioalkoxy, arylthioalkylamino, aralkylthio, aryloxyalkylthio, arylaminoalkylthio, arylthioalkylthio, alkylamino, cycloalkyl · and cycloalkylalkyl;

wherein at least one of X_3 , X_3 , X_4 and X_7 is a glycosyl moiety; or a deoxy derivative thereof, a carboxy derivative thereof, a hydroxy protected derivative thereof, an amino derivative thereof, an amido derivatives thereof, a thio derivative thereof, optionally substituted by one or more substituents,

wherein X_5 participates to a double bond between the carbon atoms in position 4 and 5 or between carbon atoms in position 5 and 6, and X_6 is selected from the group comprising hydrogen, hydroxyl and hydroxyalkyl, or

wherein X_5 and X_6 are independently selected from the group comprising halogen, hydroxyl, hydroxyalkyl, aminoalkyl, aminoaryl, optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het¹, Het², cycloalkyl, alkyloxy, alkyloxycarbonyl, carboxyl, aminocarbonyl, and

wherein n is an integer between 0 and 10.

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2. A compound according to claim 1, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate thereof,

wherein X₁, X₂, R₁ and R₂ are independently selected from the group comprising oxo, hydrogen, hydroxyl, oxyalkyl, alkyl, alkenyl, alkynyl, alkyloxy, alkyloxyalkyl, alkylthiocarbonyl, alkanovl. cycloalkylalkyl, alkylthioalkyl, alkoxycarbonyl, cycloalkylcarbonyl, cycloalkylalkanoyl, cycloalkylthiocarbonyl, cycloalkylalkoxycarbonyl, alkylcarbonyloxyalkyl, cycloalkylalkoxythiocarbonyl, cycloalkylthioalkyl, cycloalkylcarbonyloxyalkyl, silyloxyalkyl, aralkyl, arylalkenyl, arylcarbonyl, aryloxycarbonyl, arylthiocarbonyl, aralkoxycarbonyl, arylalkylthiocarbonyl, aryloxyalky, arylthioalkyl, haloalkyl, hydroxyalkyl, aralkanoyl, aroyl, aryloxycarbonylalkyl, aryloxyalkanoyl, carboxyl, alkenylcarbonyl, alkynylcarbonyl, Het¹, Het¹alkyl, Het¹oxyalkyl, Het¹aryl, Het¹aralkyl, Het¹alkoxycarbonyl. Het¹alkylthiocarbonyl, Het¹oxycarbonyl, Het¹cycloalkyl,

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Het¹alkanoyl, Het¹aralkanoyl, Het¹aryloxyalkyl, Het¹alkyloxyalkyl, Het¹thiocarbonyl, Het¹aroyl, Het¹aralkoxycarbonyl, Het¹arylthioalkyl, Het¹aryloxycarbonyl, Het¹aryloxyalkylcarbonyl, Het¹oxyalkylcarbonyl, Het¹alkyloxyalkylcarbonyl, Het¹carbonyloxyalkyl, Het¹alkylcarbonyloxyalkyl, Het¹aralkylcarbonyloxyalkyl, Het²alkyl, Het²carbonyl, Het²oxycarbonyl, Het²alkyloxyalkyl, Het²aralkyl, Het²oxyalkyl, Het²thiocarbonyl, Het²alkanoyl, Het²alkylthiocarbonyl, Het²alkoxycarbonyl, Het²aralkanoyl, Het²aralkoxycarbonyl, Het²aryloxycarbonyl, Het²aryloxyalkyl, Het²arylthioalkyl, Het²aryloxyalkylcarbonyl, Het²alkyloxyalkylcarbonyl, Het²oxvalkvlcarbonvl. Het²carbonyloxyalkyl, Het²alkylcarbonyloxyalkyl, Het²aralkylcarbonyloxyalkyl, cyano, CR3=NR4, CR3=N(OR4), aminocarbonyl, aminoalkanoyl, aminoalkyl, optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, arvl. Het1, Het2, cycloalkyl, alkyloxy, alkyloxycarbonyl, carboxyl, aminocarbonyl, mono- or di(alkyl)aminocarbonyl, aminosulfonyl, alkylS(=O)t, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently selected from the group comprising alkyl, aryl, aralkyl, aryloxy, arylamino, arylthio, aryloxyalkyl, arylaminoalkyl, aralkoxy, alkylthio, alkoxy, aryloxyalkoxy, aylaminoalkoxy, aralkylamino, aryloxyalkylamino, arylaminoalkylamino, arylthioalkoxy, arylthioalkylamino, aralkylthio, aryloxyalkylthio, arylaminoalkylthio, arylthioalkylthio, alkylamino, cycloalkyl, cycloalkylalkyl, Het1, Het2, Het1alkyl, Het2alkyl, Het1amino, Het2amino, Het1alkylamino, Het²alkylamino, Het¹thio, Het²thio, Het¹alkylthio, Het²alkylthio, Het¹oxy and Het²oxy, OR³, SR^3 , $SO_2NR^3R^4$, $SO_2N(OH)R^3$, CN, $CR^3=NR^4$, $S(O)R^3$, SO_2R^3 , $CR^3=N(OR^4)$, N_3 , NO_2 , $NR^{3}R^{4}, \quad N(OH)R^{3}, \quad C(O)R^{3}, \quad C(S)R^{3}, \quad CO_{2}R^{3}, \quad C(O)SR^{3}, \quad C(O)NR^{3}R^{4}, \quad C(S)NR^{3}R^{4}, \quad C(S$ $C(O)N(OH)R^4$, $C(S)N(OH)R^3$, $NR^3C(O)R^4$, $NR^3C(S)R^4$, $N(OH)C(O)R^4$, $N(OH)C(S)R^3$, NR³C(S)NR⁴R⁵, N(OH)CO₂R³, NR³C(O)SR⁴, $NR^3CO_2R^4$, $NR^3C(O)NR^4R^5$, and $N(OH)C(O)NR^3R^4$, $N(OH)C(S)NR^3R^4$, $NR^3C(O)N(OH)R^4$, $NR^3C(S)N(OH)R^4$, $NR^3SO_2R^4$ NHSO₂NR³R⁴, NR³SO₂NHR⁴, P(O)(OR³)(OR⁴), wherein t is an integer between 1 and 2 and R3, R4 and R5 are each independently selected from the group comprising hydrogen, aminoalkyl, aminoaryl, alkylcarbonylamino, hydroxyl, alkyl, alkenyl, alkynyl, arylcarbonylamino alkylthiocarbonylamino and arylthiocarbonylamino;

wherein X_3 participates together with X'_3 to an oxo functional group, or wherein X_3 and X'_3 are independently selected from the group comprising hydrogen, hydroxyl, sulfur, oxyalkyl, oxycarbonyl, alkyl, Het¹alkyl, alkyloxycarbonyl, alkenyl, alkynyl, aminoalkyl, aminoacyl, alkylcarbonylamino, alkylthiocarbonylamino, Het¹, glucosyl, fructosyl, galactosyl, mannosyl, ribosyl, ribulosyl, xylulosyl, erythrosyl, erythrulosyl, rhamnosyl, threosyl, sorbosyl, psicosyl, tagatosyl, fucosyl, arabinosyl, xylofuranosyl, lyxosyl, talosyl, psicosyl, idosyl, gulosyl, altrosyl, allosyl, mannoheptulosyl, sedoheptulosyl, abequosyl,

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isomaltosyl, kojibiosyl, laminaribiosyl, nigerosyl, primeverosyl, rutinosyl, tyvelosyl, maltosyl, lactosyl, sucrosyl, cellobiosyl, trehalosyl, gentiobiosyl, melibiosyl, turanosyl, sophorosyl, isosucrosyl, raffinosyl, palatinosyl, lactulosyl, gentianosyl, 3-mannobiosyl, 6mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, isomaltotriosyl, maltopentaosyl, maltohexaosyl, maltoheptaosyl, sicosyl, panosyl, isopanosyl, inosyl, Nacetylgalactosaminyl, mannotriosyl, globotriosyl, erlosyl, neotrehalosyl, chitobiosyl, N-acetyl-glucosaminyl, octylglucopyranosyl, glucosaminyl, chitobiosemannosyl, cyclohexylxylofuranosyl, octylribofuranosyl, cyclohexylglucopyranosyl, N-acetyl-lactosaminyl, acosaminyl, benzylarabinofuranosyl, benzylglucopyranosyl, apiosyl, arcanosyl, ascarylosyl, bacillosaminyl, boivinosyl, amicetosyl, amylosyl. cellotriosyl, chacotriosyl, chalcosyl, cladinosyl, colitosyl, cymarosyl, daunosaminyl, desosaminyl, D-glycero-L-gulo-heptosyl, diginosyl, digitalosyl, digitoxosyl, evalosyl, evernitrosyl, forosaminyl, fucosaminyl, garosaminyl, hamamelosyl, isolevoglucosenonyl, lactosediaminyl, fucitolyl, maltulosyl, lactosaminyl, kansosaminyl, kanosaminyl, mannosaminyl, melezitosyl, mycaminosyl, mycarosyl, mycinosyl, mycosaminyl, noviosyl, oleandrosyl, paratosyl, perosaminyl, planteosyl, pneumosaminyl, purpurosaminyl, quinovosaminyl, quinovosyl, rhamnitolyl, rhamnosaminyl, rhodinosyl, rhodosaminyl, sarmentosyl, solatriosyl, stachyosyl, streptosyl, umbelliferosyl, trehalosaminyl, 1,6anhydro-D-glucopyranosyl, 1-hydroxy-α-D-allopyranosyl, 2,3:5,6-di-O-isopropylidene-Dmannofuranosyl, 2-amino-2-deoxy-D-galactitolyl, 2-deoxyribosyl, 2-deoxyglucosyl, 5amino-5-deoxy-D-glucopyranosyl, 6-deoxy-D-galactitolyl, 2-amino-2-deoxy glucosyl, 2galactosyl, 2-acetamido-2-deoxy-2-amino-2-deoxy acetamido-2-deoxy-glucosyl, galactosyl, 2-amino-2-deoxy mannosyl, 2-acetamido-2-deoxy-mannosyl, 2-acetamido-2deoxy-4-O-β-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O-α-L-fucosyl-D-glucosyl, 6-O(2acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-β-D-galactosyl-D-glucosyl, 2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, 3-fucosyl-D-lactosyl, 3fucosyl-2-acetamido-2-deoxy-4-O- β -D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, combination thereof, deoxy derivatives thereof, hydroxyl-protected acetate or benzoyl derivatives thereof, amino derivatives thereof, amido derivatives thereof, thio derivatives thereof, di-, tri-, oligo- and polysaccharide thereof optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het1, Het2, cycloalkyl, alkyloxy, alkyloxycarbonyl, carboxyl, aminocarbonyl, mono- or di(alkyl)aminocarbonyl, aminosulfonyl, alkylS(=O)t, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently selected from the group comprising alkyl, aryl, aralkyl, aryloxy, arylamino, arylthio, aryloxyalkyl, arylaminoalkyl, aralkoxy, alkylthio, alkoxy, aryloxyalkoxy, aylaminoalkoxy, aralkylamino, aryloxyalkylamino, arylaminoalkylamino, arylthioalkoxy, arylthioalkylamino, aralkylthio, aryloxyalkylthio, arylaminoalkylthio, arylthioalkylthio, alkylamino, cycloalkyl and cycloalkylalkyl;

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wherein X₄ and X₇ are independently selected from the group comprising hydrogen, oxygen, halogen, oxo, carbonyl, thiocarbonyl, hydroxyl, alkyl, aryl, Het1, Het¹alkyl, Het¹aryl, alkenyl, alkynyl, hydroxyalkyl, hydroxycarbonyl, hydroxycarbonylalkyl, hydroxycarbonylaryl, hydroxycarbonyloxyalkyl, glucosyl, fructosyl, galactosyl, mannosyl, ribosyl, ribulosyl, xylulosyl, erythrosyl, erythrulosyl, rhamnosyl, threosyl, sorbosyl, psicosyl, tagatosyl, fucosyl, arabinosyl, xylofuranosyl, lyxosyl, talosyl, psicosyl, idosyl, gulosyl, altrosyl, allosyl, mannoheptulosyl, sedoheptulosyl, abequosyl, isomaltosyl, kojibiosyl, laminaribiosyl, nigerosyl, primeverosyl, rutinosyl, tyvelosyl, maltosyl, lactosyl, sucrosyl, cellobiosyl, trehalosyl, gentiobiosyl, melibiosyl, turanosyl, sophorosyl, isosucrosyl, raffinosyl, palatinosyl, lactulosyl, gentianosyl, 3-mannobiosyl, 6-mannobiosyl, 3galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, isomaltotriosyl, maltopentaosyl, isopanosyl, inosyl, sicosyl, panosyl, maltohexaosyl. maltoheptaosyl, acetylgalactosaminyl, mannotriosyl, globotriosyl, erlosyl, neotrehalosyl, chitobiosyl, N-acetyl-glucosaminyl, octylglucopyranosyl, glucosaminyl, chitobiosemannosyl, cyclohexylxylofuranosyl, cyclohexylglucopyranosyl, octylribofuranosyl, benzylarabinofuranosyl, N-acetyl-lactosaminyl, acosaminyl, benzylglucopyranosyl, amicetosyl, amylosyl, apiosyl, arcanosyl, ascarylosyl, bacillosaminyl, boivinosyl, cellotriosyl, chacotriosyl, chalcosyl, cladinosyl, colitosyl, cymarosyl, daunosaminyl, desosaminyl, D-glycero-L-gulo-heptosyl, diginosyl, digitalosyl, digitoxosyl, evalosyl, evernitrosyl, forosaminyl, fucosaminyl, garosaminyl, hamamelosyl, isolevoglucosenonyl, kansosaminyl, lactosaminyl, lactosediaminyl, fucitolyl, kanosaminyl, mannosaminyl, melezitosyl, mycaminosyl, mycarosyl, mycinosyl, mycosaminyl, noviosyl, oleandrosyl, paratosyl, perosaminyl, planteosyl, pneumosaminyl, purpurosaminyl, quinovosaminyl, quinovosyl, rhamnitolyl, rhamnosaminyl, rhodinosyl, rhodosaminyl, sarmentosyl, solatriosyl, stachyosyl, streptosyl, umbelliferosyl, trehalosaminyl, 1,6anhydro-D-glucopyranosyl, 1-hydroxy-α-D-allopyranosyl, 2,3:5,6-di-O-isopropylidene-Dmannofuranosyl, 2-amino-2-deoxy-D-galactitolyl, 2-deoxyribosyl, 2-deoxyglucosyl, 5amino-5-deoxy-D-glucopyranosyl, 6-deoxy-D-galactitolyl, 2-amino-2-deoxy glucosyl, 2acetamido-2-deoxy-glucosyl, galactosyl. 2-acetamido-2-deoxy-2-amino-2-deoxy galactosyl, 2-amino-2-deoxy-mannosyl, 2-acetamido-2-deoxy-mannosyl, 2-acetamido-2deoxy-4-O-β-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-

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N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O-α-L-fucosyl-D-glucosyl, 6-O(2acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-β-D-galactosyl-D-glucosyl, 2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, 3-fucosyl-D-lactosyl, 3fucosyl-2-acetamido-2-deoxy-4-O- β -D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, combination thereof, deoxy derivatives thereof, hydroxyl-protected acetate or benzoyl derivatives thereof, amino derivatives thereof, amido derivatives thereof, thio derivatives thereof, di-, tri-, oligo- and polysaccharide thereof optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het1, Het2, cycloalkyl, alkyloxy, alkyloxycarbonyl, carboxyl, aminocarbonyl, mono- or di(alkyl)aminocarbonyl, aminosulfonyl, alkylS(=O)t, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently selected from the group comprising alkyl, aryl, aralkyl, aryloxy, arylamino, arylthio, aryloxyalkyl, arylaminoalkyl, aralkoxy, alkylthio, alkoxy, aryloxyalkoxy, aylaminoalkoxy, aralkylamino, aryloxyalkylamino, arylaminoalkylamino, arylthioalkoxy, arylthioalkylamino, aralkylthio, arylaminoalkylthio, arylthioalkylthio, alkylamino, cycloalkyl aryloxyalkylthio, cycloalkylalkyl;

wherein at least one of X₃ , X'₃, X₄ and X₇ is a glycosyl moiety selected from the group comprising glucosyl, fructosyl, galactosyl, mannosyl, ribosyl, ribulosyl, xylulosyl, erythrosyl, erythrulosyl, rhamnosyl, threosyl, sorbosyl, psicosyl, tagatosyl, fucosyl, arabinosyl, xylofuranosyl, lyxosyl, talosyl, psicosyl, idosyl, gulosyl, altrosyl, allosyl, mannoheptulosyl, sedoheptulosyl, abequosyl, isomaltosyl, kojibiosyl, laminaribiosyl, nigerosyl, primeverosyl, rutinosyl, tyvelosyl, maltosyl, lactosyl, sucrosyl, cellobiosyl, trehalosyl, gentiobiosyl, melibiosyl, turanosyl, sophorosyl, isosucrosyl, raffinosyl, palatinosyl, lactulosyl, gentianosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4galactobiosyl, maltotriosyl, maltotetraosyl, isomaltotriosyl, maltopentaosyl, maltohexaosyl, N-acetylgalactosaminyl, isopanosyl, inosvl. maltoheptaosyl, sicosyl, panosyl. mannotriosyl, globotriosyl, erlosyl, neotrehalosyl, chitobiosemannosyl, N-acetyl-glucosaminyl, octylribofuranosyl, octylglucopyranosyl, glucosaminyl, cyclohexylxylofuranosyl, benzylglucopyranosyl, cyclohexylglucopyranosyl, benzylarabinofuranosyl, N-acetyl-lactosaminyl, acosaminyl, amicetosyl, amylosyl, apiosyl, arcanosyl, ascarylosyl, bacillosaminyl, boivinosyl, cellotriosyl, chacotriosyl, chalcosyl, cladinosyl, colitosyl, cymarosyl, daunosaminyl, desosaminyl, D-glycero-L-gulo-heptosyl, diginosyl, digitalosyl, digitoxosyl, evalosyl, evernitrosyl, forosaminyl, fucosaminyl, kansosaminyl, garosaminyl, hamamelosyl, isolevoglucosenonyl, kanosaminyl,

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mannosaminyl, melezitosyl. lactosediaminyl, fucitolyl, maltulosyl, lactosaminyl, mycaminosyl, mycarosyl, mycinosyl, mycosaminyl, noviosyl, oleandrosyl, paratosyl, perosaminyl, planteosyl, pneumosaminyl, purpurosaminyl, quinovosaminyl, quinovosyl, rhamnosaminyl, rhodinosyl, rhodosaminyl, sarmentosyl, solatriosyl, rhamnitolyI, stachyosyl, streptosyl, umbelliferosyl, trehalosaminyl, 1,6-anhydro-D-glucopyranosyl, 1hydroxy- α -D-allopyranosyl, 2,3:5,6-di-O-isopropylidene-D-mannofuranosyl, 2-amino-2deoxy-D-galactitolyl, 2-deoxyribosyl, 2-deoxyglucosyl, 5-amino-5-deoxy-D-glucopyranosyl, 6-deoxy-D-galactitolyl, 2-amino-2-deoxy glucosyl, 2-acetamido-2-deoxy-glucosyl, 2amino-2-deoxy galactosyl, 2-acetamido-2-deoxy-galactosyl, 2-amino-2-deoxy mannosyl, 2-acetamido-2-deoxy-mannosyl, 2-acetamido-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 2-6'-N-acetylglucosaminyllactosyl, 2amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, acetamido-2-deoxy-3-O-α-L-fucosyl-D-glucosyl, 6-O(2-acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-β-D-galactosyl-D-glucosyl, 2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, 3-fucosyl-D-lactosyl, 3-fucosyl-2-acetamido-2-deoxy-4-O- β -D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, combination thereof, deoxy derivatives thereof, hydroxyl-protected acetate or benzoyl derivatives thereof, amino derivatives thereof, amido derivatives thereof, thio derivatives thereof, di-, tri-, oligo- and polysaccharide thereof optionally substituted as indicated above;

wherein X_5 participates to a double bond between the carbon atoms in position 4 and 5 or between carbon atoms in positions 5 and 6, and X_6 is selected from the group comprising hydrogen, hydroxyl and hydroxyalkyl, or

wherein X_5 and X_6 are independently selected from the group comprising halogen hydrogen, hydroxyl, hydroxyalkyl, aminoalkyl, aminoaryl, optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het¹, Het², cycloalkyl, alkyloxy, alkyloxycarbonyl, carboxyl, aminocarbonyl, and

wherein n is an integer between 0 and 10.

3. A compound according to claim 1 or 2, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate thereof,

wherein X₁, X₂, R₁ and R₂ are independently selected from the group comprising hydrogen, hydroxyl, oxyalkyl, oxo, alkyl, alkenyl, alkynyl, alkyloxy, alkyloxyalkyl, alkylthioalkyl, alkoxycarbonyl, alkylthiocarbonyl, alkanoyl, cycloalkylalkoxycarbonyl, cycloalkylalkoxycarbonyl, cycloalkylalkoxythiocarbonyl, cycloalkylthioalkyl, alkylcarbonyloxyalkyl,

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cycloalkylcarbonyloxyalkyl, silyloxyalkyl, aralkyl, arylalkenyl, arylcarbonyl, aryloxycarbonyl, arylthiocarbonyl, aryloxycarbonyl, arylalkylthiocarbonyl, aryloxyalky, arylthioalkyl, haloalkyl, hydroxyalkyl, aralkanoyl, aroyl, aryloxycarbonylalkyl, aryloxyalkanoyl, carboxyl, alkenylcarbonyl and alkynylcarbonyl;

wherein X₃ participates together with X'₃ to an oxo functional group, or wherein X₃ and X'3 are independently selected from the group comprising hydrogen, hydroxyl, sulfur, oxyalkyl, oxycarbonyl, alkyl, Het¹alkyl, alkyloxycarbonyl, alkenyl, alkynyl, aminoalkyl, aminoacyl, alkylcarbonylamino, alkylthiocarbonylamino, Het1, glucosyl, fructosyl, galactosyl, mannosyl, ribosyl, ribulosyl, xylulosyl, erythrosyl, erythrulosyl, rhamnosyl, threosyl, sorbosyl, psicosyl, tagatosyl, fucosyl, arabinosyl, xylofuranosyl, lyxosyl, talosyl, psicosyl, idosyl, gulosyl, altrosyl, allosyl, mannoheptulosyl, sedoheptulosyl, abequosyl, isomaltosyl, kojibiosyl, laminaribiosyl, nigerosyl, primeverosyl, rutinosyl, tyvelosyl, maltosyl, lactosyl, sucrosyl, cellobiosyl, trehalosyl, gentiobiosyl, melibiosyl, turanosyl, sophorosyl, isosucrosyl, raffinosyl, palatinosyl, lactulosyl, gentianosyl, 3-mannobiosyl, 6mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2deoxy glucosyl, 2-acetamido-2-deoxy-glucosyl, 2-amino-2-deoxy-galactosyl, 2-acetamido-2-deoxy-galactosyl, 2-amino-2-deoxy-mannosyl, 2-acetamido-2-deoxy-mannosyl, 2acetamido-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-β-D-galactosyl-6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O-α-L-fucosyl-D-D-glucosyl, glucosyl, 6-O(2-acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, β-D-galactosyl-D-glucosyl, fucosyl-D-lactosyl, 3-fucosyl-2-acetamido-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, combination thereof, deoxy derivatives thereof, hydroxyl-protected acetate or benzoyl derivatives thereof, amino derivatives thereof, amido derivatives disaccharide thereof, trisaccharide thereof, derivatives thereof, thereof, thio oligosaccharide and polysaccharide thereof optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het1, Het², cycloalkyl, alkyloxy, alkyloxycarbonyl, carboxyl and aminocarbonyl;

wherein X₄ and X₇ are independently selected from the group comprising hydrogen, oxygen, halogen, oxo, carbonyl, thiocarbonyl, hydroxyl, alkyl, aryl, Het¹, Het¹alkyl, Het¹aryl, alkenyl, alkynyl, hydroxyalkyl, hydroxycarbonyl, hydroxycarbonylalkyl, hydroxycarbonylaryl, hydroxycarbonyloxyalkyl, glucosyl, fructosyl, galactosyl, mannosyl, ribosyl, ribulosyl, xylulosyl, erythrosyl, erythrulosyl, rhamnosyl, threosyl, sorbosyl, psicosyl, tagatosyl, fucosyl, arabinosyl, xylofuranosyl, lyxosyl, talosyl, psicosyl, idosyl, gulosyl, altrosyl, allosyl, mannoheptulosyl, sedoheptulosyl, abequosyl, isomaltosyl, kojibiosyl,

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laminaribiosyl, nigerosyl, primeverosyl, rutinosyl, tyvelosyl, maltosyl, lactosyl, sucrosyl, cellobiosyl, trehalosyl, gentiobiosyl, melibiosyl, turanosyl, sophorosyl, isosucrosyl, raffinosyl, palatinosyl, lactulosyl, gentianosyl, 3-mannobiosyl, 6-mannobiosyl, 3galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy-glucosyl, 2galactosyl, 2-acetamido-2-deoxy-2-amino-2-deoxy acetamido-2-deoxy-glucosyl, galactosyl, 2-amino-2-deoxy-mannosyl, 2-acetamido-2-deoxy-mannosyl, 2-acetamido-2deoxy-4-O-β-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O-α-L-fucosyl-D-glucosyl, 6-O(2acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-β-D-galactosyl-D-glucosyl, 2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, 3-fucosyl-D-lactosyl, 3fucosyl-2-acetamido-2-deoxy-4-O- β -D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, combination thereof, deoxy derivatives thereof, hydroxyl-protected acetate or benzoyl derivatives thereof, amino derivatives thereof, amido derivatives thereof, thio derivatives thereof, disaccharide thereof, trisaccharide thereof, oligosaccharide and polysaccharide thereof optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het1, Het2, cycloalkyl, alkyloxy, alkyloxycarbonyl, carboxyl and aminocarbonyl;

wherein at least one of X_3 , X_4 and X_7 is a glycosyl moiety selected from the group as indicated above;

wherein X_5 participates to a double bond between the carbon atoms in position 4 and 5 or between carbon atoms in position 5 and 6, and X_6 is selected from the group comprising hydrogen, hydroxyl, and hydroxyalkyl, or wherein X_5 and X_6 are independently selected from the group comprising hydrogen, hydroxyl, hydroxyalkyl, aminoalkyl, aminoaryl, optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het¹, Het², cycloalkyl, alkyloxy, alkyloxycarbonyl, carboxyl, aminocarbonyl, and

wherein n is an integer between 0 and 5.

4. A compound according to any of claims 1 to 3, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate thereof,

wherein X_1 , X_2 , R_1 and R_2 are independently selected from the group comprising hydrogen, hydroxyl, alkyloxy, oxo and oxyalkyl,

wherein X_3 participates together with X'_3 to an oxo functional group, or wherein X_3 and X'_3 are independently selected from the group comprising hydrogen, hydroxyl,

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oxyalkyl, oxycarbonyl, glucosyl, fructosyl, galactosyl, mannosyl, ribosyl, ribulosyl, xylulosyl, erythrosyl, erythrulosyl, rhamnosyl, threosyl, sorbosyl, psicosyl, tagatosyl, fucosyl, arabinosyl, altrosyl, laminaribiosyl, isomaltosyl, maltosyl, lactosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy-glucosyl, 2-2-amino-2-deoxy-galactosyl, 2-acetamido-2-deoxyacetamido-2-deoxy-glucosyl, galactosyl, 2-amino-2-deoxy-mannosyl, 2-acetamido-2-deoxy-mannosyl, 2-acetamido-2deoxy-4-O-β-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O-α-L-fucosyl-D-glucosyl, 6-O(2acetamido-2-deoxy- β -D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O- β -D-galactosyl-D-glucosyl, 2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, 3-fucosyl-D-lactosyl, 3fucosyl-2-acetamido-2-deoxy-4-O- β -D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, combination thereof, deoxy derivatives thereof, hydroxyl-protected acetate derivatives thereof, amino derivatives thereof, amido derivatives thereof, thio derivatives thereof, disaccharide thereof, trisaccharide thereof, oligosaccharide and polysaccharide thereof:

wherein X4 and X7 are independently selected from the group comprising hydrogen, oxygen, oxo, hydroxyl, glucosyl, fructosyl, galactosyl, mannosyl, ribosyl, ribulosyl, xylulosyl, erythrosyl, erythrulosyl, rhamnosyl, threosyl, sorbosyl, psicosyl, tagatosyl, fucosyl, arabinosyl, altrosyl, laminaribiosyl, isomaltosyl, maltosyl, lactosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy-glucosyl, 2-2-acetamido-2-deoxygalactosyl, acetamido-2-deoxy-glucosyl, 2-amino-2-deoxy galactosyl, 2-amino-2-deoxy-mannosyl, 2-acetamido-2-deoxy-mannosyl, 2-acetamido-2deoxy-4-O-β-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O-α-L-fucosyl-D-glucosyl, 6-O(2acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-β-D-galactosyl-D-glucosyl, 2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, 3-fucosyl-D-lactosyl, 3fucosyl-2-acetamido-2-deoxy-4-O- β -D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, combination thereof, deoxy derivatives thereof, hydroxyl-protected acetate or benzoyl derivatives thereof, amino derivatives thereof, amido derivatives thereof, thio derivatives thereof, disaccharide thereof, trisaccharide thereof, oligosaccharide and polysaccharide thereof;

wherein at least one of X_3 , X_4 and X_7 is a glycosyl moiety selected from the group as indicated above;

wherein X_4 or X_6 are hydrogen and wherein X_5 participates to a double bond between the carbon atoms in position 4 and 5 or in position 5 and 6, and

wherein n is an integer between 0 and 2.

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- 5. A compound according to any of claims 1 to 4, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate thereof, wherein X₁ and X₂ are -OMe, wherein R₁ and R₂ are -H, wherein X₃ is selected from the group comprising glucosyl, fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2deoxy glucosyl, 2-acetamido-2-deoxy-glucosyl, 2-amino-2-deoxy galactosyl, 2-acetamido-2-deoxy-galactosyl, 2-acetamido-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2 $deoxy-3-O-\alpha-L-fucosyl-D-glucosyl, \qquad 6-O(2-acetamido-2-deoxy-\beta-D-glucosyl)-D-galactosyl,$ 2'-acetamido-2'-deoxy-3-O-β-D-2-acetamido-2-deoxy-3-O-β-D-galactosyl-D-glucosyl, 3-fucosyl-2-acetamido-2-deoxy-4-O-β-D-3-fucosyl-D-lactosyl, glucosyl-D-galactosyl, galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, a disaccharide or a trisaccharide thereof, wherein X'3 is selected from the group comprising hydrogen, alkyl or aralkyl, wherein X4 is hydrogen, wherein X5 participates to a double bond between the carbon atoms in position 5 and 6, wherein X₈ is -H, wherein X₇ is selected from the group comprising hydrogen, oxygen, hydroxyl or oxo, and wherein n is 0.
- 6. A compound according to any of claims 1 to 4, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate thereof, wherein X₁ and X₂ are –O Me, wherein R₁ and R₂ are –H, wherein X₃ is selected from the group comprising hydrogen, hydroxyl, oxyalkyl or oxycarbonyl, wherein X'₃ is selected from the group comprising glucosyl, fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy-glucosyl, 2-acetamido-2-deoxy-glucosyl, 2-acetamido-2-deoxy-galactosyl, 2-acetamido-2-deoxy-galactosyl, 2-acetamido-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O-α-L-fucosyl-D-glucosyl, 6-O(2-acetamido-2-deoxy-β-D-glucosyl)-

D-galactosyl, 2-acetamido-2-deoxy-3-O-β-D-galactosyl-D-glucosyl, 2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, 3-fucosyl-D-lactosyl, 3-fucosyl-2-acetamido-2-deoxy-4-O-B-D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, a disaccharide or a trisaccharide thereof, wherein X₄ is hydrogen, wherein X₅ participates to a double bond between the carbon atoms in position 5 and 6, wherein X₆ is -H, wherein X₇ is selected from the group comprising hydrogen, oxygen, hydroxyl or oxo, and wherein n is 0.

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- 7. A compound according to any of claims 1 to 4, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate thereof, wherein X_1 and X_2 are -OMe, wherein R_1 and R_2 are -H, wherein X_3 participates together with X'3 to an oxo functional group, wherein X4 is selected from the group comprising glucosyl, fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy-glucosyl, 2-2-acetamido-2-deoxy-2-amino-2-deoxy-galactosyl, acetamido-2-deoxy-glucosyl, galactosyl, 2-acetamido-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O- α -Lfucosyl-D-glucosyl, 6-O(2-acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-Ddeoxy-3-O-β-D-galactosyl-D-glucosyl, galactosyl, 3-fucosyl-D-lactosyl, 3-fucosyl-2-acetamido-2-deoxy-4-O-β-D-galactosyl-Dglucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, a disaccharide or a trisaccharide thereof, wherein X₅ participates to a double bond between the carbon atoms in position 4 and 5, wherein X_6 is -H, wherein X_7 is selected from the group comprising hydrogen, oxygen, hydroxyl, alkyloxy or oxo, and wherein n is 0.
- 8. A compound according to any of claims 1 to 4, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate thereof, wherein X₁ and X₂ are –OMe, wherein R₁ and R₂ are –H, wherein X₃ participates together with X_3 to an oxo functional group, wherein X_4 is hydrogen, wherein X_6 participates to a double bond between the carbon atoms in position 5 and 6, wherein X_6 is -H, wherein X_7 is selected from the group comprising glucosyl, fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy glucosyl, 2-acetamido-2-deoxy-glucosyl, 2-amino-2-2-acetamido-2-deoxy-4-O-β-D-2-acetamido-2-deoxy-galactosyl, deoxy-galactosyl,

galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O- β -D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O- α -L-fucosyl-D-glucosyl, 6-O(2-acetamido-2-deoxy- β -D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O- β -D-galactosyl-D-glucosyl, 3-fucosyl-D-galactosyl, 3-fucosyl-D-galactosyl, 3-fucosyl-D-galactosyl, 3-fucosyl-2-acetamido-2-deoxy-4-O- β -D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, a disaccharide or a trisaccharide thereof; and wherein n is 0.

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9. A compound according to any of claims 1 to 4, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate thereof, wherein X₁ and X₂ are -OMe, wherein R₁ and R₂ are -H, wherein X₃ or X'₃ are independently selected from the group comprising hydrogen or glucosyl, fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy glucosyl, 2-acetamido-2-deoxy-glucosyl, 2amino-2-deoxy-galactosyl, 2-acetamido-2-deoxy-galactosyl, 2-acetamido-2-deoxy-4-O-β-2-Amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-N-D-galactosyl-D-glucosyl, 2-acetamido-2-deoxy-3-O- α -L-fucosyl-D-glucosyl, 6-0(2acetylglucosaminyllactosyl, acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-β-D-galactosyl-D-glucosyl, 2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, 3'-Fucosyl-D-Lactosyl, 3'-Fucosyl-2-acetamido-2-deoxy-4-O-β-D-gala ctosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, a disaccharide or a trisaccharide thereof, wherein X4 is selected from the group comprising glucosyl, fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, isomaltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy glucosyl, 2-2-amino-2-deoxy-galactosyl, 2-acetamido-2-deoxyacetamido-2-deoxy-glucosyl, galactosyl, 2-acetamido-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O-α-Lfucosyl-D-glucosyl, 6-O(2-acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-Ddeoxy-3-O-β-D-galactosyl-D-glucosyl, galactosyl, 3-fucosyl-D-lactosyl, 3-fucosyl-2-acetamido-2-deoxy-4-O-β-D-galactosyl-Dglucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, a disaccharide or a trisaccharide thereof, wherein X₅ and X₅ participates to a double bond between the carbon atoms in position 4

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and 5, wherein X_8 is -H, wherein X_7 is selected from the group comprising hydrogen, oxygen, hydroxyl, alkyloxy or oxo, wherein at least one of X_3 and X'_3 is a glycosyl moiety selected from the group as indicated above and wherein n is 0.

- 10. A compound according to any of claims 1 to 4, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate 5 thereof, wherein X_1 and X_2 are -OMe, wherein R_1 and R_2 are -H, wherein X_3 or X_3 are independently selected from the group comprising hydrogen, glucosyl, fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy-glucosyl, 2-acetamido-2-deoxy-glucosyl, 2-10 amino-2-deoxy-galactosyl, 2-acetamido-2-deoxy-galactosyl, 2-acetamido-2-deoxy-4-O-β-6'-N-2-amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, D-galactosyl-D-glucosyl, 6-0(2-2-acetamido-2-deoxy-3-O-α-L-fucosyl-D-glucosyl, acetylglucosaminyllactosyl, acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-β-D-galactosyl-D-glucosyl, 2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, 3-fucosyl-D-lactosyl, 3-15 fucosyl-2-acetamido-2-deoxy-4-O- β -D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, a disaccharide or a trisaccharide thereof, wherein X₄ is hydrogen, wherein X₅ and X_{8} participates to a double bond between the carbon atoms in position 5 and 6, wherein X_6 is -H, wherein X_7 is selected from the group comprising glucosyl, fructosyl, galactosyl, 20 mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy-glucosyl, 2-acetamido-2-deoxy-glucosyl, 2-amino-2-2-acetamido-2-deoxy-4-O-β-D-2-acetamido-2-deoxy-galactosyl, deoxy-galactosyl, 6'-N-2-amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 25 galactosyl-D-glucosyl, 6 - O(2 -2-acetamido-2-deoxy-3-O-α-L-fucosyl-D-glucosyl, acetylglucosaminyllactosyl, acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-β-D-galactosyl-D-glucosyl, 2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, 3-fucosyl-D-lactosyl, 3fucosyl-2-acetamido-2-deoxy-4-O- β -D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form 30 thereof, a disaccharide or a trisaccharide thereof, wherein at least one of X3 and X'3 is a glycosyl moiety selected from the group as indicated above and wherein n is 0.
 - 11. A compound according to any of claims 1 to 4, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate

WO 2005/058934

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thereof, wherein X_1 and X_2 are –OMe, wherein R_1 and R_2 are –H, wherein X_3 participates together with X'3 to an oxo functional group or are independently selected from the group comprising hydrogen, hydroxyl, alkyloxy, wherein X₄ is selected from the group comprising glucosyl, fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy-glucosyl, 2-2-acetamido-2-deoxyacetamido-2-deoxy-glucosyl, 2-amino-2-deoxy-galactosyl, galactosyl, 2-acetamido-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O- α -Lfucosyl-D-glucosyl, 6-O(2-acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-Ddeoxy-3-O-β-D-galactosyl-D-glucosyl, galactosyl, 3-fucosyl-D-lactosyl, 3-fucosyl-2-acetamido-2-deoxy-4-O-β-D-galactosyl-Dglucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, a disaccharide or a trisaccharide thereof, wherein X₅ and X₆ participates to a double bond between the carbon atoms in position 4 and 5, wherein X₆ is -H, wherein X₇ is selected from the group comprising glucosyl, fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy glucosyl, 2-acetamido-2-2-amino-2-deoxy-galactosyl, 2-acetamido-2-deoxy-galactosyl, 2deoxy-glucosyl, acetamido-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O-α-L-fucosyl-Dglucosyl, 6-O(2-acetamido-2-deoxy-β-D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-2'-acetamido-2'-deoxy-3-O-β-D-glucosyl-D-galactosyl, β-D-galactosyl-D-glucosyl, fucosyl-D-lactosyl, 3-fucosyl-2-acetamido-2-deoxy-4-O-β-D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, a disaccharide or a trisaccharide thereof, and wherein n is 0.

12. A compound according to any of claims 1 to 4, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate thereof, wherein X_1 and X_2 are -OMe, wherein R_1 and R_2 are -H, wherein X_3 or X'_3 are independently selected from the group comprising hydrogen, glucosyl, fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy-glucosyl, 2-acetamido-2-deoxy-glucosyl, 2-acetamido-2-deoxy-deoxy-4-O-b-

2-amino-2-deoxy-4-O-b-D-galactosyl-D-glucosyl. 6'-N-D-galactosyl-D-glucosyl, 2-acetamido-2-deoxy-3-O-a-L-fucosyl-D-glucosyl, 6-0(2acetylglucosaminyllactosyl, acetamido-2-deoxy-b-D-glucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-b-D-galactosyl-D-glucosyl, 2'-acetamido-2'-deoxy-3-O-b-D-glucosyl-D-galactosyl, 3-fucosyl-D-lactosyl, 3fucosyl-2-acetamido-2-deoxy-4-O-b-D-galactosyl-D-glucosyl, L or D isomers thereof, α or 5 β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, a disaccharide or a trisaccharide thereof, wherein X4 is selected from the group comprising glucosyl, fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4-galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy-glucosyl, 2-10 2-amino-2-deoxy-galactosyl, 2-acetamido-2-deoxyacetamido-2-deoxy-glucosyl, galactosyl, 2-acetamido-2-deoxy-4-O-b-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-b-D-galactosyl-D-glucosyl, 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O-a-Lfucosyl-D-glucosyl, 6-O(2-acetamido-2-deoxy-b-D-glucosyl)-D-galactosyl, 2-acetamido-2-2'-acetamido-2'-deoxy-3-O-b-D-glucosyl-D-15 deoxy-3-O-b-D-galactosyl-D-glucosyl, galactosyl, 3-fucosyl-D-lactosyl, 3-fucosyl-2-acetamido-2-deoxy-4-O-b-D-galactosyl-Dglucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or furanose form thereof, a disaccharide or a trisaccharide thereof, wherein X₅ and X₈ participates to a double bond between the carbon atoms in position 4 and 5, wherein X₆ is -H, wherein X₇ is selected from the group comprising glucosyl, 20 fructosyl, galactosyl, mannosyl, fucosyl, isomaltosyl, maltosyl, cellobiosyl, gentiobiosyl, melibiosyl, palatinosyl, lactulosyl, 3-mannobiosyl, 6-mannobiosyl, 3-galactobiosyl, 4galactobiosyl, maltotriosyl, maltotetraosyl, 2-amino-2-deoxy glucosyl, 2-acetamido-2-2-amino-2-deoxy-galactosyl, 2-acetamido-2-deoxy-galactosyl, 2deoxy-glucosyl, acetamido-2-deoxy-4-O-b-D-galactosyl-D-glucosyl, 2-amino-2-deoxy-4-O-b-D-galactosyl-25 6'-N-acetylglucosaminyllactosyl, 2-acetamido-2-deoxy-3-O-a-L-fucosyl-D-D-alucosyl. olucosyl, 6-O(2-acetamido-2-deoxy-b-D-qlucosyl)-D-galactosyl, 2-acetamido-2-deoxy-3-O-2'-acetamido-2'-deoxy-3-O-b-D-glucosyl-D-galactosyl, b-D-galactosyl-D-glucosyl, fucosyl-D-lactosyl, 3-fucosyl-2-acetamido-2-deoxy-4-O-b-D-galactosyl-D-glucosyl, L or D isomers thereof, α or β form thereof, pyranuronic or furanuronic form threreof, pyranose or 30 furanose form thereof, a disaccharide or a trisaccharide thereof, wherein at least one of X₃ and X'3 is a glycosyl moiety selected from the group as indicated above and wherein n is 0.

87

13. Compound of formula I, stereoisomers, tautomers, racemics, prodrugs, metabolites thereof, or a pharmaceutically acceptable salt and/or solvate thereof, wherein X_1 , X_2 , X_3 , X_3 , X_4 , X_5 , X_6 , X_7 , R_1 , R_2 and n are selected as indicated in Table A.

14. Method for synthesizing a compound having the structural formula I

$$X_7$$
 X_6
 X_5
 X_4
 X_6
 X_5
 X_4
 X_5
 X_4
 X_5
 X_4
 X_5
 X_4
 X_5
 X_5
 X_4

formula I

wherein X_1 , X_2 , X_3 , X_4 , X_5 , X_6 , X_7 , R_1 , R_2 and n are independently selected from the group as indicated in any of claims 1 to 13, said method comprising the steps of

a) providing a starting material having the structural formula IV,

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cycloalkylalkyl;

formula IV

wherein X₃ participates together with X'₃ to an oxo functional group, or wherein X₃

cycloalkyl

alkylamino,

and X'₃ are independently selected from the group comprising hydrogen, hydroxyl, sulfur, oxyalkyl, oxycarbonyl, alkyl, Het¹alkyl, alkyloxycarbonyl, alkenyl, alkynyl, aminoalkyl, aminoacyl, alkylcarbonylamino, alkylthiocarbonylamino, Het¹, optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het¹, Het², cycloalkyl, alkyloxy, alkyloxycarbonyl, carboxyl, aminocarbonyl, mono- or di(alkyl)aminocarbonyl, aminosulfonyl, alkylS(=O)t, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently selected from the group comprising alkyl, aryl, aralkyl, aryloxy, arylamino, arylthio, aryloxyalkyl, arylaminoalkyl, aralkoxy, alkylthio, alkoxy, aryloxyalkoxy, aylaminoalkoxy, aralkylamino, aryloxyalkylamino, arylaminoalkylamino, aralkylthio,

aryloxyalkylthio, arylaminoalkylthio, arylthioalkylthio,

WO 2005/058934

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wherein X₇ is selected from the group comprising hydrogen, oxygen, halogen, oxo, carbonyl, thiocarbonyl, hydroxyl, alkyl, aryl, Het¹, Het¹alkyl, Het¹aryl, alkenyl, alkynyl, hydroxyalkyl, hydroxycarbonyl, hydroxycarbonylalkyl, hydroxycarbonylaryl, hydroxycarbonyloxyalkyl optionally substituted by one or more substituents independently selected from the group comprising alkyl, aralkyl, aryl, Het1, Cycloalkyl, alkyloxy, alkyloxycarbonyl, carboxyl, aminocarbonyl, mono-Or di(alkyl)aminocarbonyl, aminosulfonyl, alkylS(=O)t, hydroxy, cyano, halogen or amino optionally mono- or disubstituted wherein the substituents are independently selected from the group comprising alkyl, aryl, aralkyl, aryloxy, arylamino, arylthio, aryloxyalkyl, arylaminoalkyl, aryloxyalkoxy, aylaminoalkoxy, aralkoxy. alkylthio, alkoxy, aryloxyalkylamino, arylaminoalkylamino, arylthioalkoxy, arylthioalkylamino, aralkylthio, arylaminoalkylthio, arylthioalkylthio, alkylamino, cycloalkyl aryloxyalkylthio, cycloalkylalkyl; and wherein P is a protecting group,

88

b) effecting reaction between the compound of step a) with an organometallic compound having the structural formula V

$$R_1$$
 X_1
 R_2
 $(CH_2)n-W-Hall$

formula V

wherein X_1 , X_2 , R_1 , R_2 and n are independently selected from the group as indicated in any of claims 1 to 13, wherein W is a metal or a combination of metals and wherein Hal is a halogen atom,

to result in an intermediate having the structural formula III'

formula III'

wherein X_1 , X_2 , R_1 , R_2 and n are independently selected from the group as indicated in any of claims 1 to 13, wherein X_3 , X_7 are independently selected from the group as indicated in step a) and wherein P is a protecting group,

89

c) effecting reaction between the compound of step b) with an organometallic compound having the structural formula VI

Hal-W-X'3

formula VI

wherein X'_3 is selected from the group as indicated in step a), wherein W is a metal or a combination of metals, and wherein Hal is a halogen atom,

to result in an intermediate having the structural formula III

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$$X_3 \times X_1 \times X_2 \times X_2$$

formula III

wherein X_1 , X_2 , R_1 , R_2 and n are independently selected from the group as indicated in any of claims 1 to 13, wherein X_3 , X_3 , X_7 are independently selected from the group as indicated in step a), wherein P is a protecting group,

d) deprotecting the X₇ group of the compound obtained in step c) to form an compound having the structural formula II

$$X_{3}$$
 X_{3} X_{1} X_{1} X_{1} X_{2} X_{2} X_{2}

formula II

wherein X_1 , X_2 , R_1 , R_2 and n are independently selected from the group as indicated in any of claims 1 to 13, wherein X_3 , X_3 , X_7 are independently selected from the group as indicated in step a), and

e) coupling an O-protected glycosyl or non-protected glycosyl to form a compound of formula IIB wherein X_1 , X_2 , R_1 , R_2 and n are independently selected from the group as indicated in any of claims 1 to 13, wherein X_3 and X'_3 are independently selected from the group as indicated in step a), and X_7 is an O-protected glycosyl or a non-protected glycosyl, and

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- f) deprotecting the O-protected groups of glycosyl to form a compound of formula IB wherein X_1 , X_2 , X_4 , X_5 , X_8 , R_1 , R_2 and n are independently selected from the group as indicated in any of claims 1 to 13, wherein X_3 , X'_3 are independently selected from the group as indicated in step a), and X_7 is selected from the group comprising glycosyl, thio derivatives thereof, amino derivatives thereof, amido derivatives thereof, hydroxyl-protected derivatives thereof.
- 15. Method according to claim 14, wherein step e) consists of reacting the compound of step d) with an oxidizing reagent to form an intermediate and reducing said intermediate with a reducing reagent to result in another intermediate having the structural formula I wherein X_1 , X_2 , R_1 , R_2 and n are independently selected from the group as indicated in any of claims 1 to 13, and X_3 or X_3 , and X_4 and X_7 are hydroxyl and continuing the reaction with steps e) and f) according to claim 14 to form a glycosylated steroid compound of structural formula I.
- 16. Method according to claim 14, wherein step c) consists of reacting the compound of step b) with an O-protected glycosyl or non-protected glycosyl to result in an intermediate having the structural formula III wherein X_1 , X_2 , R_1 , R_2 and n are independently selected from the group as indicated in any of claims 1 to 13, wherein X_3 , X_7 are independently selected from the group as indicated in step a) of claim 14, wherein P is a protecting group, and wherein X_3 or X_3 is an O-protected glycosyl or a non protected glycosyl and continuing the reaction with steps d), e) and f) according to claim 14 to form a glycosylated steroid compound of structural formula I.
- 17. A compound obtainable by any of the steps according to the method of any of claims 14 to 16.
- 18. A compound of structural formula:

herein designated as compound UBS3268

herein designated as compound UBS3270

20. A compound of structural formula:

herein designated as compound UBS3285

21. A compound of structural formula:

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herein designated as compound UBS3327

22. A compound of structural formula:

herein designated as compound UBS3328

herein designated as compound UBS3501

24. A compound of structural formula:

herein designated as compound UBS3585

25. A compound of structural formula:

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herein designated as compound UBS3597

26. A compound of structural formula:

herein designated as compound UBS3976

herein designated as compound UBS4066

28. A compound of structural formula:

herein designated as compound UBS4067

29. A compound of structural formula:

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herein designated as compound UB\$4095

30. A compound of structural formula:

herein designated as compound UBS4104

herein designated as compound UBS4109

32. A compound of structural formula:

herein designated as compound UBS4209

33. A compound of structural formula:

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herein designated as compound UBS4373

- 34. A compound according to any of claims 1 to 13 and 17 to 33 for use as a medicament.
- 10 35. A compound according to any of claims 1 to 13 and 17 to 33 for use as an antimigratory agent.
 - 36. Use of a compound according to any of claims 1 to 13 and 17 to 33 for the preparation of a medicament for treating cancer.
- 37. A pharmaceutical composition comprising a pharmaceutically acceptable excipient and a therapeutically effective amount of a compound according to any of claims 1 to 13 and 17 to 33.
 - 38. Use of a pharmaceutical composition according to claim 37 in the treatment of cancer.

95

39. Method of treating cancer comprising administrating to an individual in need of such treatment a pharmaceutical composition according to claim 37.